

**IN THE CLAIMS:**

*Please amend the claims as follows:*

1. *(currently amended)* A method for improving a digital image displayed on a display, comprising:
  - determining an instantaneous property of the display;
  - determining a property of the digital image;
  - determining parameters for an image processing method at least partly on the basis of said instantaneous property of the display, and said property of the digital image; and
  - processing the digital image by means of said image processing method, while applying said parameters.
2. *(currently amended)* A method according to claim 1, wherein all determining and processing actions ~~measures~~ are repeated at a repetition rate.
3. *(currently amended)* A method according to claim 2, further comprising:
  - detecting a change in said instantaneous property of the display; and
  - repeating said determining and processing ~~measures~~actions when a change is detected.
4. *(previously presented)* A method according to claim 3, wherein said determination of parameters is further based on an operation mode of the display.
5. *(previously presented)* A method according to claim 4, wherein the digital image is adapted to one display out of a group of displays consisting of reflective and transfective displays.

6. *(previously presented)* A method according to claim 5, wherein said image processing method comprises at least one sub-method chosen from a group of sub-methods consisting of saturation increase, color componentwise histogram stretch, and unsharp masking.
7. *(currently amended)* A mobile device comprising:
- a display unit,
  - an image memory for holding a digital image, and
  - an image improvement unit for improving said digital image displayed on the display unit, said image improvement unit being arranged to
    - determine an instantaneous property of the display;
    - determine a property of the digital image; and
    - determine parameters for an image processing method at least partly on the basis of said instantaneous property of the display and said property of the digital image; and
  - a display processor for processing the digital image by means of said image processing method, while applying said parameters~~process said digital image by means of an image processing method; to determine parameters for said image processing method at least partly on the basis of an instantaneous property of the display, and a property of the digital image.~~
8. *(previously presented)* A mobile device according to claim 7, with said display being one of a reflective and a transfective display.
9. *(previously presented)* A mobile device according to claim 8, wherein said image improvement unit is provided in said display unit.
10. *(previously presented)* A mobile device according to claim 9, wherein said image improvement unit is provided outside of the display unit, and is arranged to communicate therewith.

11. *(currently amended)* A display unit comprising:

- a display,
- an image memory for holding a digital image, and
- an image improvement unit for improving said digital image displayed on the display, said image improvement unit being arranged to
  - determine an instantaneous property of the display;
  - determine a property of the digital image; and
  - determine parameters for an image processing method at least partly on the basis of said instantaneous property of the display and said property of the digital image; and
- a display processor for processing the digital image by means of said image processing method, while applying said parameters ~~process said digital image by means of at least one image processing method; to determine parameters for said image processing method at least partly on the basis of an instantaneous property of the display, and a property of the digital image.~~

12. *(previously presented)* A use of an image processing method comprising at least one sub-method chosen from a group of sub-methods consisting of saturation increase, color componentwise histogram stretch, and unsharp masking, for improving a digital image for display in accordance with claim 1.

13. *(previously presented)* A use of an image processing method comprising at least one sub-method chosen from a group of sub-methods consisting of saturation increase, color componentwise histogram stretch, and unsharp masking, in a mobile device according to claim 7.

14. *(previously presented)* A method according to claim 1, further comprising:

- detecting a change in said instantaneous property of the display; and
- repeating said determining and processing measures when a change is detected.

15. *(previously presented)* A method according to claim 1, wherein said determination of parameters is further based on an operation mode of the display.
16. *(previously presented)* A method according to claim 1, wherein the digital image is adapted to one display out of a group of displays consisting of reflective and transfective displays.
17. *(previously presented)* A method according to claim 1, wherein said image processing method comprises at least one sub-method chosen from a group of sub-methods consisting of saturation increase, color componentwise histogram stretch, and unsharp masking.
18. *(previously presented)* A mobile device according to claim 7, wherein said image improvement unit is provided in said display unit.
19. *(previously presented)* A mobile device according to claim 7, wherein said image improvement unit is provided outside of the display unit, and is arranged to communicate therewith.
20. *(new)* A mobile device comprising:
- means for displaying a digital image,
  - means for holding a digital image,
  - means for improving said digital image displayed on the means for displaying a digital image, said means for improving said digital image displaying including:
    - means for determining an instantaneous property of the means for displaying a digital image;
    - means for determining a property of the digital image; and
    - means for determining parameters for an image processing method at least partly on the basis of said instantaneous property of the

means for displaying a digital image and said property of the digital image; and

- means for processing the digital image by means of said image processing method, while applying said parameters.

21. *(new)* A method comprising:

- determining an instantaneous property of a display;
- determining a property of a digital image;
- determining parameters for an image processing method based at least partly on said instantaneous property of the display and said property of the digital image.

22. *(new)* A mobile device comprising:

- a display unit,
- an image memory for holding a digital image, and
- an image improvement unit for improving said digital image displayed on the display unit, said image improvement unit being arranged to
  - determine an instantaneous property of the display;
  - determine a property of the digital image; and
  - determine parameters for an image processing method based at least partly on said instantaneous property of the display and said property of the digital image.